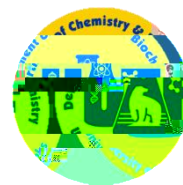




General Chemistry II, CHEM F106X

4 Credits, CRN 36077



The course will also focus on problem-solving. Your goal should be to develop strategies for solving chemical problems. Your approach should be to study and know the facts, and then apply that knowledge to new situations in chemistry.

Another goal is to realize that chemistry is an experimental science. The laboratory should illustrate and reinforce concepts learned in the lecture.

Student Learning Outcomes

are defined for each chapter in the textbook. Please refer to the Blackboard course under Course Content for listing of these Learning Outcomes.

for the Course are:

Demonstrate a knowledge of basic chemical concepts, such as properties of solutions, thermodynamics kinetics, equilibria, electrochemistry, nuclear chemistry, and organic/biochemistry structures.

Demonstrate strength in quantitative chemical problem solving including mathematical skills.

Predict the physical and chemical properties of substances, including reactions, based on their atomic, molecular and electronic structure.

Use the periodic table to explain the electronic and nuclear properties of elements.

Demonstrate competency in basic laboratory skills and the analysis of data.

Demonstrate how chemistry is linked to other scientific disciplines.

Place the development of theories and hypotheses of chemistry in a historical context.

Instructional Methods

: All lectures will be delivered in-person. The laboratory component has a separate syllabus but reference to laboratory will be made in lecture.

We will use the online digital platform called Smartwork 5, which accompanies the textbook. register

directly with the publisher, otherwise your grades will not be recorded into Blackboard. Smartwork will typically consist of approximately 15-20 questions, and will be ~32 pts each x 8 HW for a total 250 pts. Smartwork will be due typically Sunday, 11:59 pm AST.

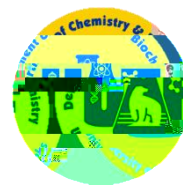
All exams will be delivered in class and will

General Chemistry I



General Chemistry II, CHEM F106X

4 Credits, CRN 36077



Bereavement

Personal illness or injury

Serious illness of a friend, family member or loved one

Military obligations

Jury service

Other emergency or obligatory situations

For more information, go to the student handbook or the Center for Students Rights and Responsibilities.

UAF Incomplete Grade Policy:

Your instructor follows the University of Alaska Fairbanks Incomplete Grade Policy:

"The letter "I" (Incomplete) is a temporary grade used to indicate that the student has satisfactorily completed (C- or better) the majority of work in a course but for personal reasons beyond the student's control, such as sickness, has not been able to complete the course during the regular semester. Negligence or indifference are not acceptable reasons for an "I" grade."

For more information, see [the UAF regulations regarding grades](#).

Student Protections Statement

I will work with the Office of Disability Services to provide reasonable accommodation to students with disabilities. The Office of Disability Services implements the Americans with Disabilities Act (ADA), and ensures that UAF students have equal access to the campus and course materials. I will work with the Office of Disabilities Services (208 Whitaker, 907-474-5655) to provide reasonable accommodation to students with disabilities uaf.edu/disability/

UAF embraces and grows a culture of respect, diversity, inclusion, and caring. Students at this university are protected against sexual harassment and discrimination (Title IX).

Faculty members are designated as responsible employees, which means they are required to report sexual misconduct. Graduate teaching assistants do not share the same reporting obligations. For more information on your rights as a student and the resources available to you to resolve problems, please go to the following site: <https://www.uaf.edu/handbook/>

Title IX

University of Alaska Board of Regents have clearly stated in BOR Policy that discrimination, harassment and violence will not be tolerated on any campus of the University of Alaska. If you believe you are experiencing

General Chemistry II, CHEM

